

* (See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department, agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON DISTRICT OFFICE

37. SUMMARY OF POROUS ZONES: (show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, lime tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	NAME	TOP	MEASURED DEPTH	TRUE VERTICAL DEPTH
<u>NACIMIENTO</u>								
<u>SURFACE</u>								
0J0 ALAMO	2310'	2414'						
KIRTLAND	2414'	2894'						
FRUITLAND	2894'	3154'						
PICTURED CLIFFS	3154'	3440'						
LEWIS	3440'	5235'						
CLIFF HOUSE	5235'	5324'						
MENEFEE	5324'	5536'						
POINT LOOKOUT	5536'	5845'						
MANCOS	5845'	7606'						
GREENHORN	7606'	7656'						
GRANEROS	7656'	7786'						
DAKOTA	7786'	N/A						
D	8000'							

WELLBORE DIAGRAM ROSA UNIT #100E PC/MV

LOCATION: 1570'FSL, 870'FEL
NE/4 SE/4 SEC. 21, T31N, R6W
RIO ARRIBA, Co., NM
ELEVATION: 6268' GR
KB: 13'

TOPS:

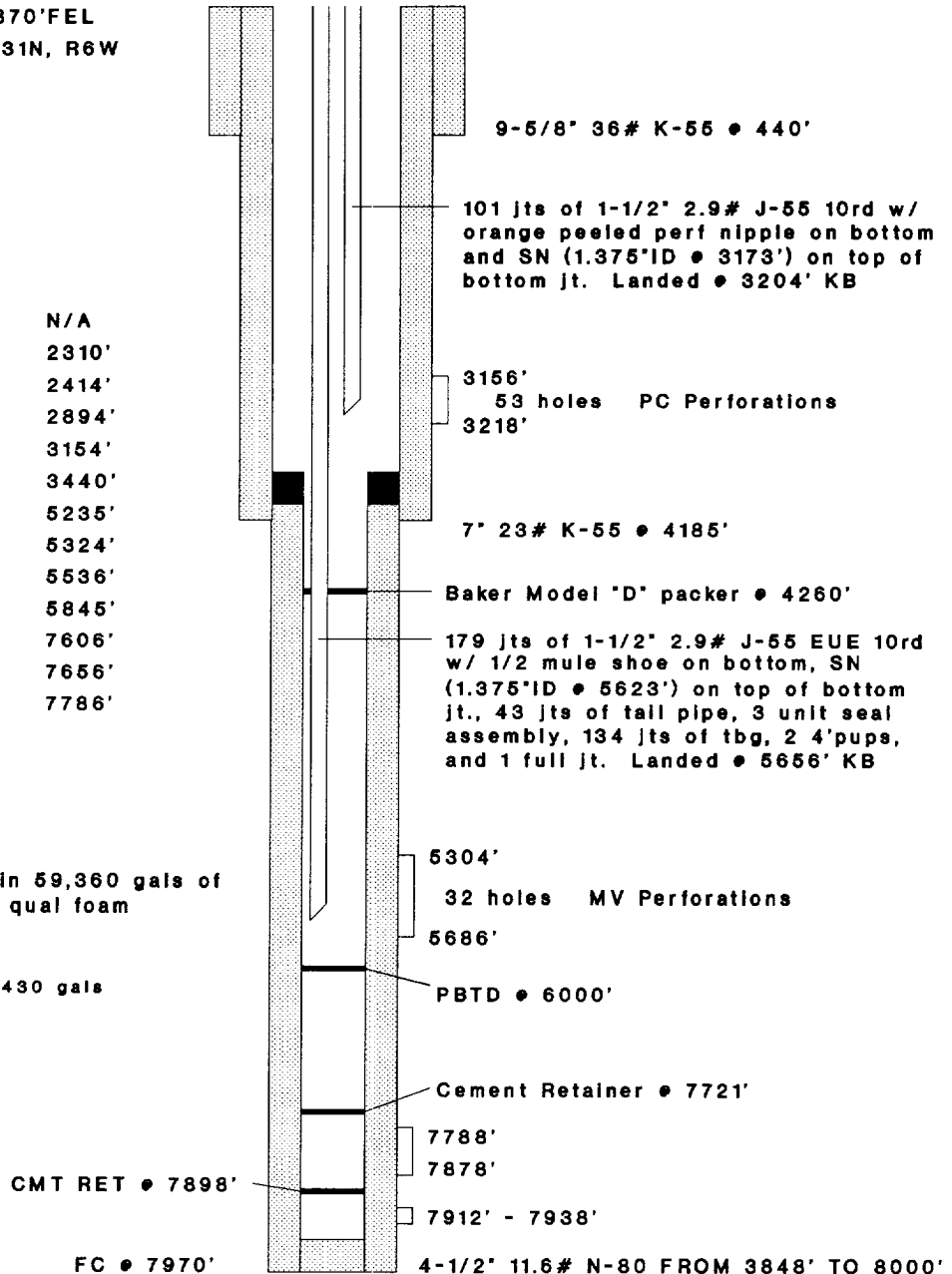
NACIMIENTO	N/A
OJO ALAMO	2310'
KIRTLAND	2414'
FRUITLAND	2894'
PICTURED CLIFFS	3154'
LEWIS	3440'
CLIFF HOUSE	5235'
MENEFEE	5324'
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STIMULATION

Pictured Cliffs

3156' to 3218'
97,000# 20/40 sand in 59,360 gals of
30# X-Link gel in 70 qual foam
Mesa Verde

5304' to 5686'
103,200# 20/40 in 101,430 gals



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	285 SX	336 CU.FT.	SURFACE
8-3/4"	7" 23#	960 SX	1107 CU.FT.	SURFACE
6-1/4"	4-1/2" 11.6#	670 SX	790 CU.FT.	LINER TOP